

SEEE sponsored Two days National level Workshop on

# MATLAB for Power System Applications



Organized by  
Centre for Research, Training and Development,  
Department of Electrical and Electronics Engineering  
Karpagam College of Engineering, Coimbatore  
in association with  
Society for Engineering Education Enrichment

**Date: 20.01.2017 & 21.01.2017**

## About the Institution:

The KARPAGAM CHARITY TRUST was established in the year 1989 by Dr. R. Vasanthakumar, an Industrialist and Philanthropist with a vision to serve the society by imparting Quality Value Based Education.

Karpagam College of Engineering is one of the Institution run by Karpagam Charity trust, was started in the Year 2000. The College is an Autonomous college, Accredited by NAAC with 'A' Grade and 5 of the departments are Accredited by NBA. The College is affiliated to Anna University, Chennai and is currently offering 9 UG (BE / B.Tech.) and 5 PG (ME / M.Tech., MBA, and MCA) Degree Programmes

The College is located in the outskirts of Coimbatore City, 18 km from the Coimbatore Bus Stand, 15 km from the Railway station and 20 Km from the Airport in Mylleripalayam village with a green atmosphere around it. The College has a Students strength of around 4556 in total.

## About the Department:

EEE department was started in the year 2002 with a student intake of 60; the present student strength is 576 with an intake of 180. The Department is reaccredited by NBA for 3 years in 2015. Since inception the department has received nearly 5 lakhs from various funding agencies like AICTE, CSIR, DIT, DST, ISTE, IEEE, SEEE for organizing workshops, FDPs and conference.

The Department maintains good Industry Institute partnership with MoUs signed with National Instruments for LabVIEW Academy, B & R Automation for Automation Laboratory and also with AXIS Global Group of Companies and Hindustan Automation.

The department is a recognized Research centre since 2011 – 2012. Currently the centre has 9 Doctorates (Anna University recognized Supervisors) to guide PhD Scholars and about 30 scholars are pursuing their PhD in the Research Centre. The department has established the Centre for Research Training and Development in the academic year 2014 – 2015, for catering the needs of Students, Faculty and Research Scholars through value added programmes like workshops, seminars and conferences. The Centre has organized more than 10 workshops/seminars in the short span of time with the support of NI, IEEE and SEEE.

## About the Workshop

MATLAB has become one of most prominent tool for computation in the past two decades and is inevitable for Engineering Education especially for Electrical, Electronics and Computer engineering. MATLAB Simulink tool boxes has been remarkable aid for the researcher of these areas to reach an extra mile. The two days workshop aims at familiarizing the participants with the programming concepts of MATLAB and applying it for Power System

application. The two days deliberations would expose the participants the following contents through hands-on training accompanied by a few lecture presentation.

- Introduction and Basics to MATLAB
- MATLAB Programming and Simulink
- Introduction to power system network
- MATLAB based Load flow analysis
- Simulation of power system faults
- Simulation of Power system stability analysis
- Soft computing tools in MATLAB
- Simulink Demos

The workshop is open for undergraduate and post graduate students, research scholars and faculty members of EEE and EIE departments limited to maximum of 20 participants on first come basis. However, industry participants and participants of other departments can also register in consultation with the coordinators. The sessions will be handled by experts from industry/Academia.

## Registration Details:

For Nonmembers of SEEE:

UG / PG Scholar	: ₹ 1000/-
Faculty members / Research Scholar	: ₹ 1500/-
Industrial Participants	: ₹ 1500/-
For SEEE members	: NIL

The workshop is sponsored by SEEE and hence the SEEE members are exempted from registration fee. The filled-in registration form in the prescribed format is expected to reach the convener on or before 16.01.2017 along with DD drawn favoring 'The Principal, Karpagam College of Engineering', payable at Coimbatore. The registration fee includes Course material, Working lunch and refreshment for both the days. Accommodation will be provided on payable and first come basis in the Hostel on prior request.

## Convener:

Dr. T. Rammohan, Professor and Head/EEE

## Coordinators:

Dr. K. Nithiyanthan, Sr. Prof. – EEE  
Mrs. N.M. Ramya, Asst. Prof. – EEE  
Ms. R. Durga, Asst. Prof. – EEE  
Ms. R. Radha, Asst. Prof. – EEE

## Reach us at:

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9500959580, 9597959860, 9626609913

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## Registration Form

Name :  
Qualification :  
Category : UG Student / PG Scholar / Research Scholar / Faculty / Industrial Participant  
SEEE Membership : Member / Non-Member  
Membership No. (for members) :  
Designation :  
Department :  
Institution :  
E-mail Id :  
Mobile No :  
Address :  
  
DD No. / Date :  
Name of the Bank :

Signature of the Candidate

### **Registration forms should reach us at:**

Centre for Research Training and Development,  
Department of EEE,  
Karpagam College of Engineering,  
Coimbatore – 641 032  
[crted.eee@kce.ac.in](mailto:crted.eee@kce.ac.in),  
M: 9500959580, 9597959860, 9626609913

### **Dates to Remember:**

Registration closes :16.01.2017  
Intimation of selection :18.01.2017  
Workshop : 20.01.2017 & 21.01.2017